Author Index of Volume 56

Akita, M., 107
Altomare, A., 143
Andoh, H., 107
Arean, C. O., 211
Askar, H., 338
Augugliaro, V., 284

Bader, A., 86
Barazzoni, L., 143
Basset, J.-M., 1
Beck, A., 50
Bedioui, F., 267
Belovolova, L. V., 249
Biagi, S., 133
Bied-Charreton, C., 267
Blum, J., 329
Bobichon, C., 156
Böttcher, H.-C., 95

Caulton, K. G., 20
Choplin, A., 1
Ciardelli, F., 143
Colligiani, A., 133

Davydov, R. M., 249
Devynck, J., 267
Dobos, S., 50
Duranel, L., 156
Dybowski, C., 36

Eisen, M., 329
Ewald, H., 95

Fedorovskaja, E., 61
Filardo, G., 296

Gambino, S., 296
Gates, B. C., 36
Genkin, M. V., 249
Glaser, E., 86
Gorella, B., 329
Grobovenko, S. Y., 260
Guczi, L., 50
Guyot, A., 156, 351

Hasselbring, L. C., 36
Häupke, K., 315
Huang, L., 1
Huffman, J. C., 20

Invernizzi, R., 143

Kadushin, A., 61
Kashiwa, N., 237
Kataoka, T., 203
Keii, T., 203
Khomenko, T., 61
Kissin, Y. V., 220
Kiyashko, S. V., 260
Komiyama, M., 78
Kraus, J., 133
Krause, H. W., 315
Krylov, O. V., 249
Kutyreva, N., 61

Lamb, H. H., 36
Lapidus, A. L., 260
Lindner, E., 86
Llauro-Darricades, M.-F., 156
Lundquist, E. G., 20

Maksimov, Yu., 61
Malquori, S., 143
Masi, F., 143
Mathieu, R., 1
Matveev, V., 61
Miessner, H., 95
Migita, C. T., 276
Mitani, O., 107
Moisy, P., 267
Monakov, Yu. B., 194
Moro-Oka, Y., 107
Mukhitova, F. K., 260

Nagaoka, T., 276

Ogino, Y., 78
Ogura, K., 276
Oku, T., 107

Palmisano, L., 284
Pasero, M., 133
Platero, E. E., 211
Polednick, C., 351

Rebenstorf, B., 170
Reda, M. R., 338
Ryndin, Yu. A., 183

Sabirov, Z. M., 194
Sakakura, T., 305
Salmon, L., 267
Salvadori, P., 133
Sartain, W. J., 20
Schiavello, M., 284
Schumann, H., 329
Sclafani, A., 284
Selke, R., 315
Settambolo, R., 133
Shore, S. G., 1
Silvestri, G., 296
Siriwardane, U., 1
Skupin, M., 95
Slinkin, A., 61
Spitz, R., 156
Spoto, G., 211
Streib, W. G., 20

Tanaka, M., 305
Terano, M., 203
Tokunaga, Y., 305
Tolstikov, G. A., 194
Toyota, A., 237
Trunschke, A., 95
Tsutsui, T., 237

Vannice, M. A., 117
Venter, J. J., 117
Vitulli, G., 133

Walther, B., 95
Wegner, P., 86
Widdecke, H., 351

Yaacoub, E., 351
Yamamoto, K., 78
Yuschishina, A. N., 249

Zakharov, V. A., 183
Zecchina, A., 211
Zsoldos, Z., 50

© Elsevier Sequoia/Printed in The Netherlands

Subject Index of Volume 56

Acid–base properties
influence of, on photocatalytic and photochemical processes, 284
Active sites
surface hydride complexes of Group IV transition metals as, for polymerization and hydrogenation reactions, 183
Acylation
electrochemical production of Al-based catalysts for, of aromatics, 296
Alcohol
novel basic ligands for homogeneous catalytic carbonylation of methanol: preparation and characterization of ether–phosphanes attached to silica gel by spacers of 3 and 6 C atoms, 86
Alkenes
ethylene polymerization on chromocene supported on γ-Al_2O_3: FT–IR investigation, 211
'homogeneous' interpretation of ethylene polymerization kinetics with supported Ziegler–Natta catalysts, 220
kinetic stereocontrol of polydiene microstructures during polymerization of Nd–Al bimetallic systems, 194
mechanistic aspects in propene polymerization using $MgCl_2$-supported Ziegler–Natta catalysts: behaviour of silane as external Lewis base, 156
new pellicular ion exchangers by grafting onto polypropylene beads: catalysis of sucrose inversion, 351
polymerization of propylene with ethylene bis(1-indenyl)hafnium dichloride and methylaluminoxane catalyst system, 237
stopped flow polymerization of propene with typical $MgCl_2$-supported high-yield catalysts, 203
supported Hf catalysts for ethylene polymerization, 143
Alkyne insertion
terminal, into aromatic and aliphatic C—H bonds catalyzed by RhCl(CO)$[P(CH_3)_3]_2$ under irradiation, 305
Aluminium
electrochemical production of Al-based catalysts for acylation of aromatics, 296
ethylene polymerization on chromocene supported on γ-Al_2O_3: FT–IR investigation, 211
kinetic stereocontrol of polydiene microstructures during polymerization of Nd–Al bimetallic systems, 194
polymerization of propylene with ethylene bis(1-indenyl)hafnium dichloride and methylaluminoxane catalyst system, 237
rhenium tricarbonyl as common intermediate in CO + H_2 reaction over $H_3Re_3(CO)_{12}/Al_2O_3$ and NH_4ReO_4/Al_2O_3 samples, 50
Amine elimination
synthesis of Zr–Re-containing polyhydrides by, 20
Arenes
EPR study of arene-solvated Co clusters as catalysts in co-cyclization of α,ω-diynes and nitriles, 133
Aromatic compounds
catalytic asymmetric hydrogenation by some homogeneous and silica-bound μ-thiolato-μ-chlorodicarbonylbis(neomenthyldiphenylphosphine)dirhodium complexes, 329
electrochemical production of Al-based catalysts for acylation of, 296
EPR study of arene-solvated Co clusters as catalysts in co-cyclization of α,ω-diynes and nitriles, 133
poly(pyrrole manganese porphyrin) film electrode as catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with

© Elsevier Sequoia/Printed in The Netherlands

with described homogeneous systems, 267
terminal alkyne insertion into aromatic and aliphatic C—H bonds catalyzed by $RhCl(CO)[P(CH_3)_3]_2$ under irradiation, 305

Carbon dioxide
electrochemical reduction of, with electrode mediator and homogeneous catalysts, 276
Carbon monoxide
C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$: decomposition rates, CO adsorption properties and CO hydrogenation behaviour, 117
and H_2; enzyme-catalyzed synthesis of hydrocarbons and oxygen-containing compounds from, 260
+ H_2 reaction; rhenium tricarbonyl as common intermediate in, over $H_3Re_3(CO)_{12}/Al_2O_3$ and NH_4ReO_4/Al_2O_3 samples, 50
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61
selective heterogeneous, hydrogenation; new bimetallic Rh–Mo and Rh–W clusters as precursors for, 95
Carbonylation
novel basic ligands for homogeneous catalytic, of methanol: preparation and characterization of ether–phosphanes attached to silica gel by spacers of 3 and 6 carbon atoms, 86
Chromocene
ethylene polymerization on, supported on γ-Al_2O_3: FT–IR investigation, 211
Clusters
anionic tetraosmium; synthesis and reactivity of, of highly dehydroxylated MgO, 36
arene-solvated Co, as catalysts in co-cyclization of α,ω-diynes and nitriles; EPR study, 133
new bimetallic Rh–Mo and Rh–W, as precursors for selective heterogeneous CO hydrogenation, 95
bimetallic supported molecular; surface organometallic approach to process of formation of bimetallic particles from, 1
Cobalt
EPR study of arene-solvated Co clusters as catalysts in co-cyclization of α,ω-diynes and nitriles, 133
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61
Co-cyclization
EPR study of arene-solvated Co clusters as catalysts in, of α,ω-diynes and nitriles, 133
Convective diffusion
with homogeneous and heterogeneous reactions in parallel plate duct with one catalytic wall: non-isothermal case by using 8-noded isoparametric elements, 338

Decomposition rates
and CO adsorption properties and CO hydrogenation behaviour; C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$, 117
Diffusion
convective, with homogeneous and heterogeneous reactions in parallel plate duct with one catalytic wall: non-isothermal case by using 8-noded isoparametric elements, 338

Electrochemical production
of Al-based catalysts for acylation of aromatics, 296
Electrochemical reduction
of CO_2 with electrode mediator and homogeneous catalysts, 276
Electrode
electrochemical reduction of CO_2 with electrode mediator and homogeneous catalysts, 276
poly(pyrrole manganese porphyrin) film, as catalyst in electroassisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems, 267
Enzyme
-catalyzed synthesis of hydrocarbons and oxygen-containing compounds from CO and H_2, 260
Ether
novel basic ligands for homogeneous catalytic carbonylation of methanol:

preparation and characterization of ether–phosphanes attached to silica gel by spacers of 3 and 6 C atoms, 86

Film
poly(pyrrole manganese porphyrin), electrode as catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems, 267

Hafnium
polymerization of propylene with ethylene bis(1-indenyl)hafnium dichloride and methylaluminoxane catalyst system, 237
supported Hf catalysts for ethylene polymerization, 143

Hydrogen
and CO; enzyme-catalyzed synthesis of hydrocarbons and oxygen-containing compounds from, 260
+ CO reaction; rhenium tricarbonyl as common intermediate in, over $H_3Re_3(CO)_{12}/Al_2O_3$ and NH_4ReO_4/Al_2O_3 samples, 50
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61

Hydrogenation
asymmetric, by heterogenized cationic rhodium phosphinite complexes, 315
catalytic asymmetric, by some homogeneous and silica-bound μ-thiolato-μ-chlorodicarbonylbis(neomenthyldiphenylphosphine)dirhodium complexes, 329
CO, behaviour and decomposition rates and CO adsorption properties; C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$, 117
and polymerization reactions; surface hydride complexes of Group IV transition metals as active sites for, 183
selective heterogeneous CO; new bimetallic Rh–Mo and Rh–W clusters as precursors for, 95

Ion exchangers
new pellicular, by grafting onto polypropylene beads: catalysis of sucrose inversion, 351

Iron
C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$: decomposition rates, CO adsorption properties and CO hydrogenation behaviour, 117
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61

Irradiation
terminal alkyne insertion into aromatic and aliphatic C—H bonds catalyzed by $RhCl(CO)[P(CH_3)_3]_2$ under, 305

Ketene ligands
reactivities of, on polymetallic systems, 107

Lewis base
behaviour of silane as external; mechanistic aspects in propene polymerization using $MgCl_2$-supported Ziegler–Natta catalysts, 156

Magnesium
mechanistic aspects in propene polymerization using $MgCl_2$-supported Ziegler–Natta catalysts: behaviour of silane as external Lewis base, 156
stopped flow polymerization of propene with typical $MgCl_2$-supported high-yield catalysts, 203
synthesis and reactivity of anionic tetraosmium clusters of highly dehydroxylated MgO, 36

Manganese
poly(pyrrole manganese porphyrin) film electrode as catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems, 267

Micelles
reverse; catalytic and redox reactions of proteins and low molecular weight reactants in, 249

Molybdenum
new bimetallic Rh–Mo and Rh–W clusters as precursors for selective heterogeneous CO hydrogenation, 95

Neodymium
kinetic stereocontrol of polydiene microstructures during polymerization of Nd–Al bimetallic systems, 194

Osmium
C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$: decomposition rates, CO adsorption properties and CO hydrogenation behaviour, 117
synthesis and reactivity of anionic tetraosmium clusters of highly dehydroxylated MgO, 36
Oxidation
poly(pyrrole manganese porphyrin) film electrode as catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems, 267
Oxygen
poly(pyrrole manganese porphyrin) film electrode as catalyst in electro-assisted oxidation reactions using molecular oxygen: comparison with described homogeneous systems, 267

Parallel plate duct
convective diffusion with homogeneous and heterogeneous reactions in, with one catalytic wall: non-isothermal case by using 8-noded isoparametric elements, 338
Phillips catalyst site
with high catalytic activity, 170
Phosphorus
asymmetric hydrogenation by heterogenized cationic rhodium phosphinite complexes, 315
novel basic ligands for homogeneous catalytic carbonylation of methanol: preparation and characterization of ether–phosphanes attached to silica gel by spacers of 3 and 6 C atoms, 86
catalytic asymmetric hydrogenation by some homogeneous and silica-bound μ-thiolato-μ-chlorodicarbonylbis(neomenthyldiphenylphosphine)dirhodium complexes, 329
terminal alkyne insertion into aromatic and aliphatic C—H bonds catalyzed by $RhCl(CO)[P(CH_3)_3]_2$ under irradiation, 305
Photocatalytic and photochemical processes
influence of acid–base properties on, 284
Polyhydrides
synthesis of Zr–Re-containing, by amine elimination, 20
Polymerization
ethylene, on chromocene supported on γ-Al_2O_3: FT–IR investigation, 211
ethylene; supported Hf catalysts for, 143
'homogeneous' interpretation of ethylene, kinetics with supported Ziegler–Natta catalysts, 220
and hydrogenation reactions; surface hydride complexes of Group IV transition metals as active sites for, 183
kinetic stereocontrol of polydiene microstructures during, of Nd–Al bimetallic systems, 194
mechanistic aspects in propene, using $MgCl_2$-supported Ziegler–Natta catalysts: behaviour of silane as external Lewis base, 156
of propylene with ethylene bis(1-indenyl)hafnium dichloride and methylaluminoxane catalyst system, 237
stopped flow, of propene with typical $MgCl_2$-supported high-yield catalysts, 203
Polymetallic systems
reactivities of ketene ligands on, 107
Proteins
and low molecular weight reactants in reverse micelles; catalytic and redox reactions of, 249

Reduction
electrochemical, of CO_2 with electrode mediator and homogeneous catalysts, 276
Rhenium
preparation of supported rhenium carbonyls and their characterization by IR and XPS studies, 78
rhenium tricarbonyl as common intermediate in CO + H_2 reaction over

$H_3Re_3(CO)_{12}/Al_2O_3$ and NH_4ReO_4/Al_2O_3 samples, 50
synthesis of Zr–Re-containing polyhydrides by amine elimination, 20
Rhodium
asymmetric hydrogenation by heterogenized cationic rhodium phosphinite complexes, 315
new bimetallic Rh–Mo and Rh–W clusters as precursors for selective heterogeneous CO hydrogenation, 95
catalytic asymmetric hydrogenation by some homogeneous and silica-bound μ-thiolato-μ-chlorodicarbonylbis(neomenthyldiphenylphosphine)dirhodium complexes, 329
terminal alkyne insertion into aromatic and aliphatic C—H bonds catalyzed by $RhCl(CO)[P(CH_3)_3]_2$ under irradiation, 305
Ruthenium
C-supported $Fe_3(CO)_{12}$, $Ru_3(CO)_{12}$ and $Os_3(CO)_{12}$: decomposition rates, CO adsorption properties and CO hydrogenation behaviour, 117

Silicon
novel basic ligands for homogeneous catalytic carbonylation of methanol: preparation and characterization of ether–phosphanes attached to silica gel by spacers of 3 and 6 C atoms, 86
catalytic asymmetric hydrogenation by some homogeneous and silica-bound μ-thiolato-μ-chlorodicarbonylbis(neomenthyldiphenylphosphine)dirhodium complexes, 329
mechanistic aspects in propene polymerization using $MgCl_2$-supported Ziegler–Natta catalysts: behaviour of silane as external Lewis base, 156
Spectroscopy
EPR study of arene-solvated Co clusters as catalysts in co-cyclization of α,ω-diynes and nitriles, 133
ethylene polymerization on chromocene supported on γ-Al_2O_3: FT–IR investigation, 211
preparation of supported rhenium carbonyls and their characterization by IR and XPS studies, 78
Sucrose inversion
catalysis of: new pellicular ion exchangers by grafting onto polypropylene beads, 351
Surface
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61
surface hydride complexes of Group IV transition metals as active sites for polymerization and hydrogenation reactions, 183
surface organometallic approach to process of formation of bimetallic particles from bimetallic supported molecular clusters, 1
Synthesis
enzyme-catalyzed, of hydrocarbons and oxygen-containing compounds from CO and H_2, 260
model of surface and catalytic activity of supported bimetallic Fe- and Co-containing complexes in CO + H_2 synthesis reactions, 61
and reactivity of anionic tetraosmium clusters of highly dehydroxylated MgO, 36
of Zr–Re-containing polyhydrides by amine elimination, 20

Tungsten
new bimetallic Rh–Mo and Rh–W clusters as precursors for selective heterogeneous CO hydrogenation, 95

Ziegler–Natta Catalysts
mechanistic aspects in propene polymerization using $MgCl_2$-supported: behaviour of silane as external Lewis base, 156
supported; 'homogeneous' interpretation of ethylene polymerization kinetics with, 220
Zirconium
synthesis of Zr–Re-containing polyhydrides by amine elimination, 20